Discrete Mathematics
Volume 262, Numbers 1–3, 6 February 2003

Contents

Contributions

R.J.R. Abel and B. Du
The existence of three idempotent IMOLS 1

N. Alon, G. Fertin, A.L. Liestman, T.C. Shermer and L. Stacho
Factor *d*-domatic colorings of graphs 17

S. Bau and M.A. Henning
Matching transformation graphs of cubic bipartite plane graphs 27

K. Betsumiya, S. Georgiou, T.A. Gulliver, M. Harada and C. Koukouvinos
On self-dual codes over some prime fields 37

A. Brodsky, S. Durocher and E. Gethner
Toward the rectilinear crossing number of K_n: new drawings, upper bounds, and asymptotics 59

W. Broughton and G. McGuire
On the non-existence of quasi-3 designs 79

C.-Y. Chou, W. Wang and Xuding Zhu
Relaxed game chromatic number of graphs 89

P. Damaschke
Linear-time recognition of bipartite graphs plus two edges 99

P. Dankelmann and R.C. Laskar
Factor domination and minimum degree 113

T. Dvořák, I. Havel and M. Mollard
On paths and cycles dominating hypercubes 121

O. Favaron, G.H. Fricke, D. Pritikin and J. Puech
Irredundance and domination in kings graphs 131

H.A. Harutyunyan and A.L. Liestman
On the monotonicity of the broadcast function 149

T.W. Haynes, S.T. Hedetniemi, M.A. Henning and P.J. Slater
H-forming sets in graphs 159

Y. Huang
Maximum genus of a graph in terms of its embedding properties 171

D.S. Kim and J.G. Lee
A MacWilliams-type identity for linear codes on weak order 181

M. Matamala
Constructibility of speed one signal on cellular automata 195

E.W. McMahon, B.A. Shimkus and J.A. Wolfson
Chordal graphs and the characteristic polynomial 211

I.G. Perepelitsa
Bounds on the chromatic number of intersection graphs of sets in the plane 221

M.A. Pizaña
The icosahedron is clique divergent 229

C.D. Savage, I. Shields and D.B. West
On the existence of Hamiltonian paths in the cover graph of $M(n)$ 241

Z.-W. Sun
General congruences for Bernoulli polynomials 253

Author index to volume 262 277

CONTENTS direct

This journal is part of **ContentsDirect**, the ***free*** alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: **http://contentsdirect.elsevier.com**